

**SEARCH REQUEST FORM**

Scientific and Technical Information Center

Requester's Full Name: David Lukton Examiner #: 71263 Date: 08/20/03  
 Art Unit: 1653 Phone Number 30 8, 3273 Serial Number: 09-718591  
 Mail Box and Bldg/Room Location: Mailbox: 9B01; Exr Rm: 9B05 Results Format Preferred (circle): PAPER DISK E-MAIL  
 If more than one search is submitted, please prioritize searches in order of need.

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Title: Peptides having antiangiogenic activity.Applicants: HAVIV, FORTUNA; HENKIN, JACK; BRADLEY, MICHAEL F.; KALVIN, DOUGLAS M.; SCHNEIDER, ANDREW J.Earliest Priority Date: 11/22/99

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Applicants are claiming peptides which conform to the formula on the attached sheet.

R1 = acetyl,  $\text{HOOC-CH}_2\text{-CH}_2\text{-CO-}$ ,  $\text{C}_6\text{H}_5\text{-CO-}$   
 [R1 cannot be hydrogen]

R2 = methyl, hydrogen,  $\text{-(CH}_2\text{)}_n\text{-COOH}$ ,  $\text{-(CH}_2\text{)}_n\text{-CONH}_2$ ,  $\text{-CH}_2\text{-OH}$ ,

R3 = alkyl, hydrogen,  $\text{-CH}_2\text{-C}_6\text{H}_5$ ,  $\text{-(CH}_2\text{)}_n\text{-COOH}$ ,  $\text{-(CH}_2\text{)}_n\text{-CONH}_2$ ,  
 $\text{-CH}_2\text{-CH}_2\text{-SCH}_3$

R4 = alkyl,  $\text{-CH}_2\text{-C}_6\text{H}_5$ , aminobutyl,  $\text{-(CH}_2\text{)}_n\text{-COOH}$ ,  
 $\text{-(CH}_2\text{)}_n\text{-CONH}_2$ , imidazolylmethyl, indolylmethyl,  $\text{-CH}_2\text{-CH}_2\text{-SCH}_3$

R5 = anything, provided that the carbon bearing R5 is of the D-configuration

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R6 = alkyl, hydrogen,  $-\text{CH}_2\text{-OH}$ ,  $-(\text{CH}_2)_n\text{-CONH}_2$ , imidazolylmethyl, indolylmethyl,  $-\text{CH}_2\text{-CH}_2\text{-SCH}_3$ ,  $-\text{CH}_2\text{-CH=CH}_2$ ,  $-\text{CH}_2\text{-SH}$

R7 = alkyl, hydrogen,  $-\text{CH}_2\text{-C}_6\text{H}_5$ ,  $-(\text{CH}_2)_n\text{-CONH}_2$ ,  $-\text{CH}_2\text{-OH}$ ,  $-(\text{CH}_2)_3\text{-NHC(=NH)NH}_2$ , indolylmethyl;  $-\text{CH}_2\text{-CH}_2\text{-SCH}_3$ ,  $-\text{CH}_2\text{-SH}$

R8 = alkyl, hydrogen,  $-\text{CH}_2\text{-CH}_2\text{-SCH}_3$ ,  $-\text{CH}_2\text{-CH=CH}_2$ ;

R9 =  $-(\text{CH}_2)_3\text{-NHC(=NH)NH}_2$ ,  $-(\text{CH}_2)_3\text{-NH-CONH}_2$ , imidazolylmethyl,  $-(\text{CH}_2)_4\text{-NH}_2$

R10 = alkyl,  $-\text{CH}_2\text{OH}$  or  $-\text{CH}_2\text{-C}_6\text{H}_5$

R11 = anything, but can contain no more than one amino acid.

n = 1 or 2

